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Order from SLA \$1.60

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Oxides, Electrical conductance, Photoconductivity.

Measurements of electrical conductivity were carried
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dependence on temperature and the influence of a
surrounding oxygen atmosphere of variable pressure
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Air Force 7-60 67-21A

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MEASURING THE OSCILLATOR STRENGTH OF A
FEW NI-LINES IN A WATER AND AIR-STABILIZED
LIGHT ARC (Messung der Oszillatorenstärke einiger
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Lichtbogen). [1962] 18p. (1 fig. omitted) 14 refs.
Order from SLA \$1.60 62-16090

Trans. of Zeitschrift für Physik (West Germany)
1955, v. 143 [no. 1] p. 77-92.

DESCRIPTORS: *Plasma physics, Plasma oscillations,
*Spectrographic analysis, Lighting equipment

The oscillator strength of 10 Ni-multiplets (located in
the wave length range between 5500 and 4000 Å) and of
their components are determined through absolute in-
tensity measurements. In this connection the absolute
intensities of a hydrogen and an oxygen line are used
(Physics--Theoretical, TT, v. 8, no. 6) (over)

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